

## WHAT IS CLAIMED IS

1. A sequence circuit display method for an injection molding machine comprising selectively inputting an operating step name in an injection molding machine from an input device to thereby display a sequence circuit including contacts, coils, etc. corresponding to the selected input operating step as a ladder diagram on a display device.

2. A sequence circuit display method for an injection molding machine comprising displaying a sequence circuit of an injection molding machine as a ladder diagram on a display device and selectively inputting one of the contacts, coils, etc. in said ladder diagram to thereby display a sequence circuit including contacts, coils, etc. corresponding to the selected input contact, coil, etc. as a ladder diagram on the display device.

3. A sequence circuit display method for an injection molding machine as set forth in claim 1, wherein said display of contacts, coils, etc. of said ladder diagram in said display device comprises displaying operating step names in the injection molding machine.

4. A sequence circuit display method for an injection molding machine as set forth in claim 1, wherein said display of contacts, coils, etc. of said ladder diagram in said display device comprises selectively displaying one of:

an active display screen for displaying connection states of said contacts, coils, etc. along with operations of the injection molding machine in real time and

a still display screen displaying the connection states of said contacts, coils, etc. at a certain point of time in operation of the injection molding machine.

5. A sequence circuit display method for an injection molding machine as set forth in claim 2, wherein said display of contacts, coils, etc. of said ladder diagram in said display device comprises displaying operating step names in the injection molding machine.

6. A sequence circuit display method for an injection molding machine as set forth in claim 2, wherein said display of contacts, coils, etc. of said ladder diagram in said display device comprises displaying contacts, coils, etc. corresponding to the selected input contact, coil, etc. and other contacts, coils, etc. differently in the display of the sequence circuit including contacts, coils, etc. corresponding to the selected input contact, coil, etc.

7. A sequence circuit display method for an injection molding machine as set forth in claim 2, wherein said display of contacts, coils, etc. of said ladder diagram in said display device comprises selectively displaying one of:

an active display screen for displaying connection states of said contacts, coils, etc. along with operations of the injection molding machine in real time and

a still display screen displaying the connection states of said contacts, coils, etc. at a certain point of time in operation of the injection molding machine.

8. A sequence circuit display method for an injection molding machine comprising:

displaying a sequence circuit in an injection molding machine as a ladder diagram on a display device, wherein

by a contact selection instruction and coil search instruction for the contact in the ladder diagram being given, a sequence circuit including coils corresponding to the contact is displayed as a ladder diagram on the display device, or wherein

by a coil selection instruction and contact search instruction for the coil in the ladder diagram being given, a sequence circuit including contacts corresponding to the coil is displayed as a ladder diagram on the display device.